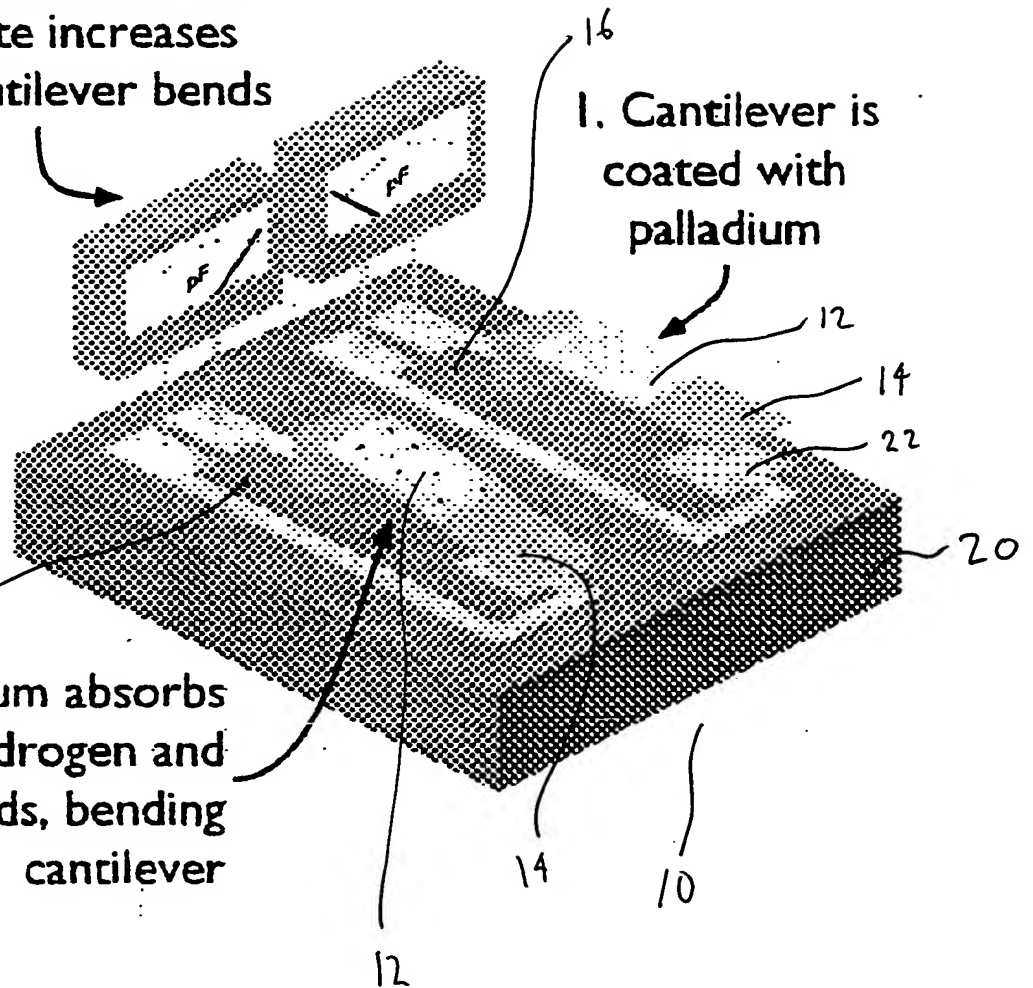


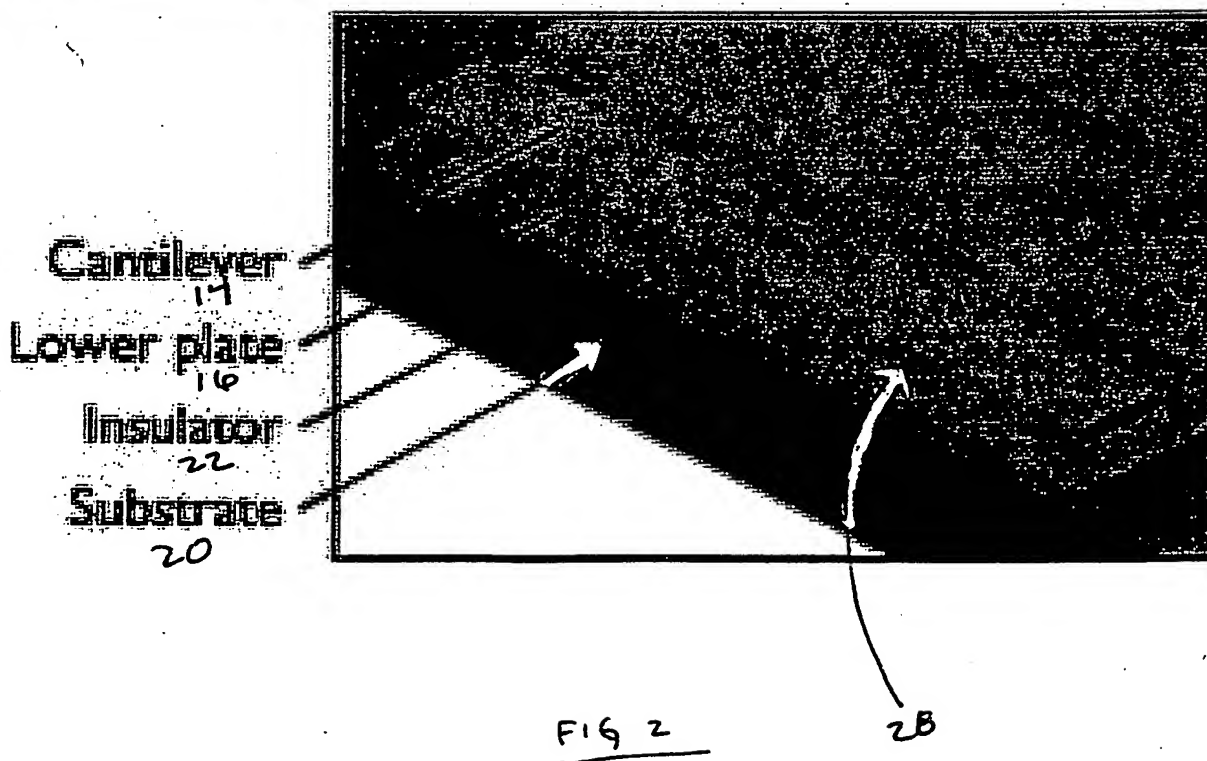
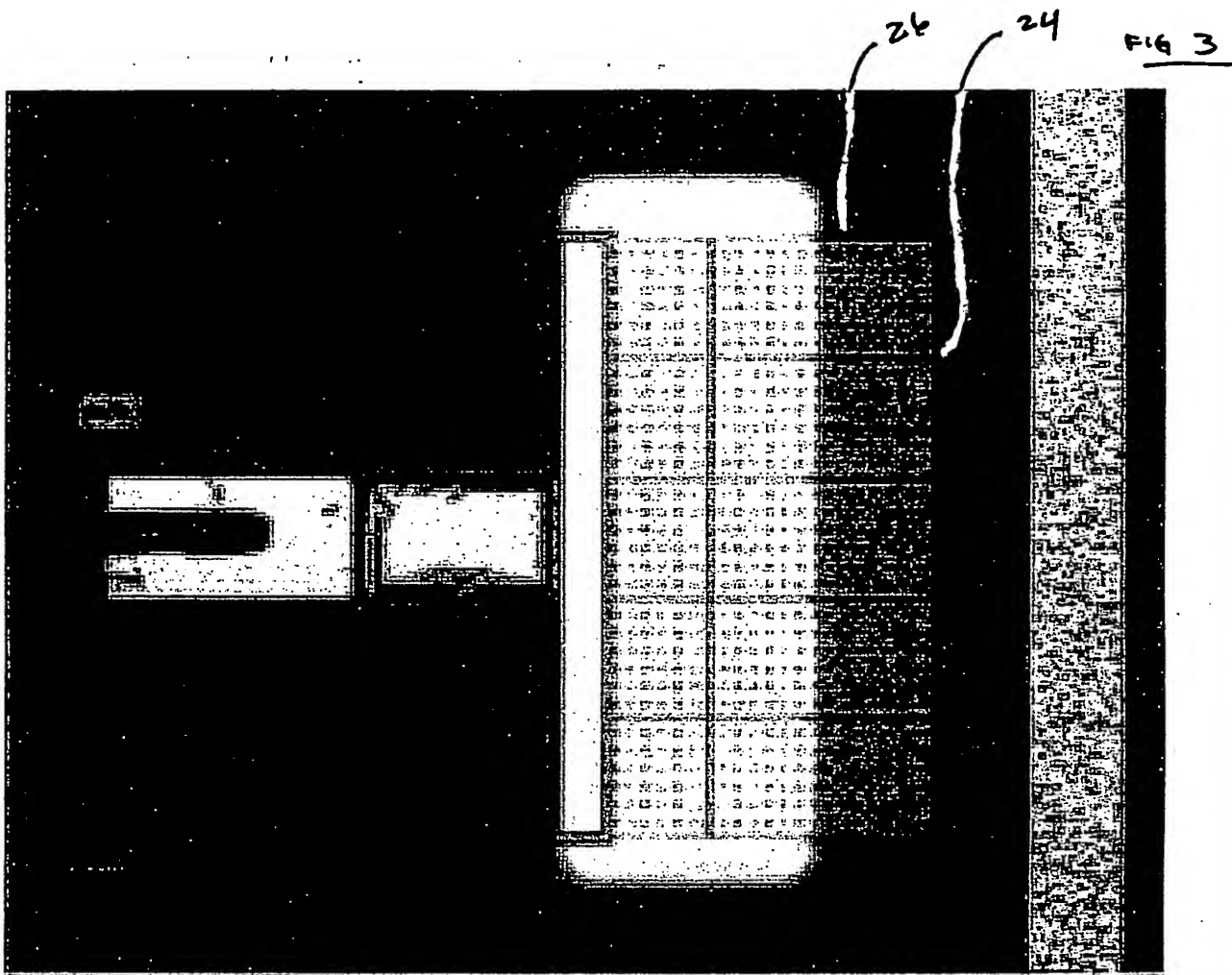
3. Capacitance
between cantilever and
baseplate increases
when cantilever bends

1. Cantilever is
coated with
palladium

2. Palladium absorbs
hydrogen and
expands, bending
cantilever

Fig. 1.





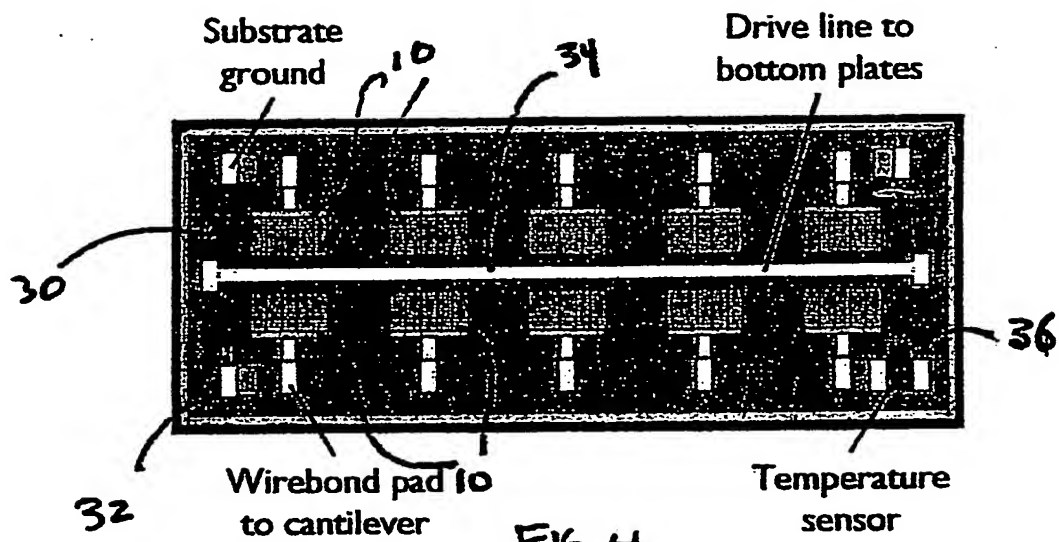


FIG 4

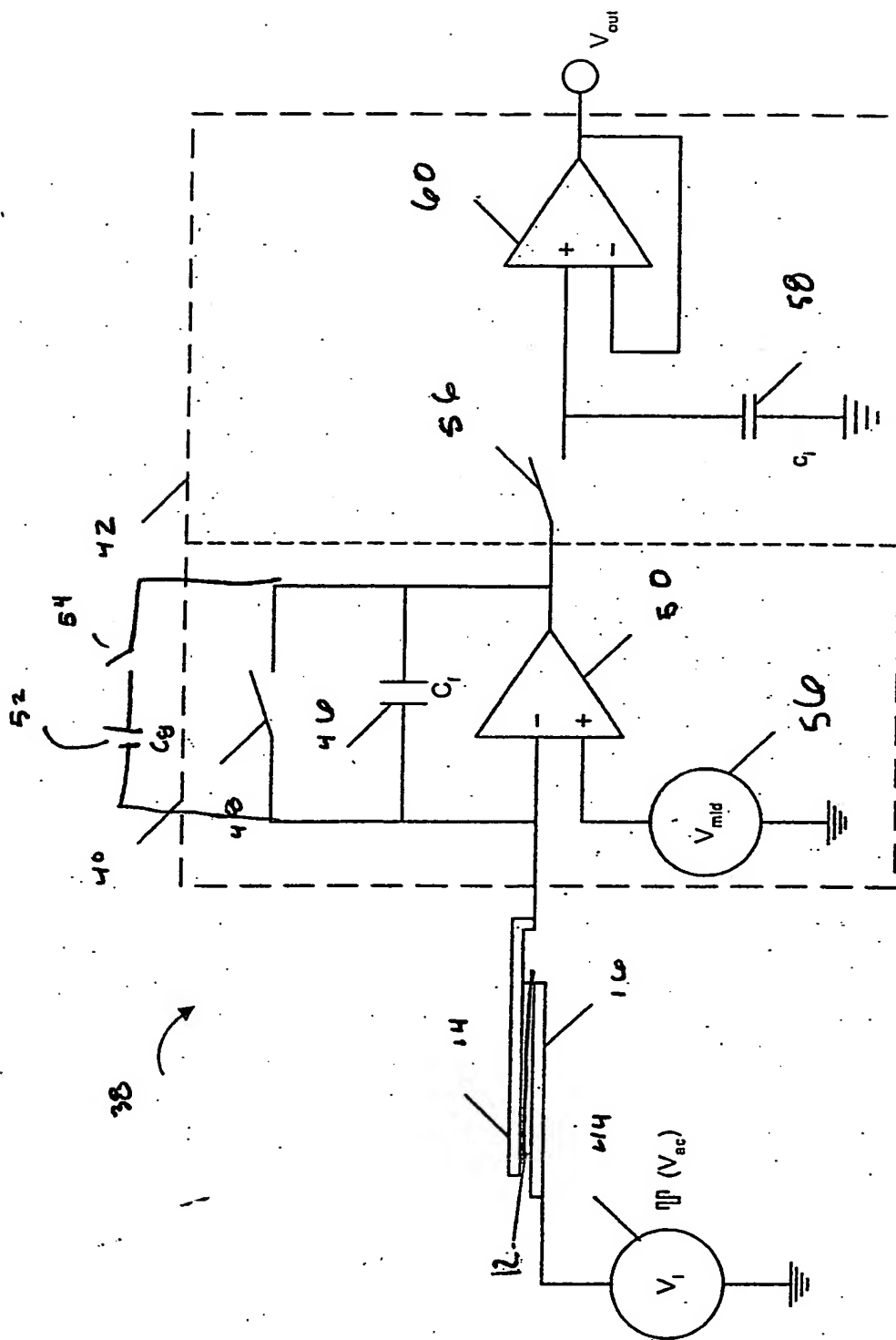


FIG. 5

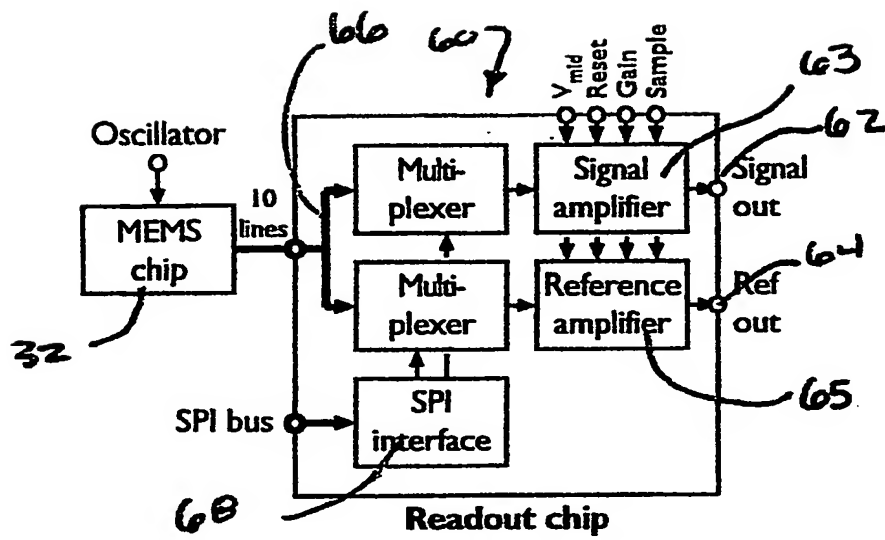


FIG 6

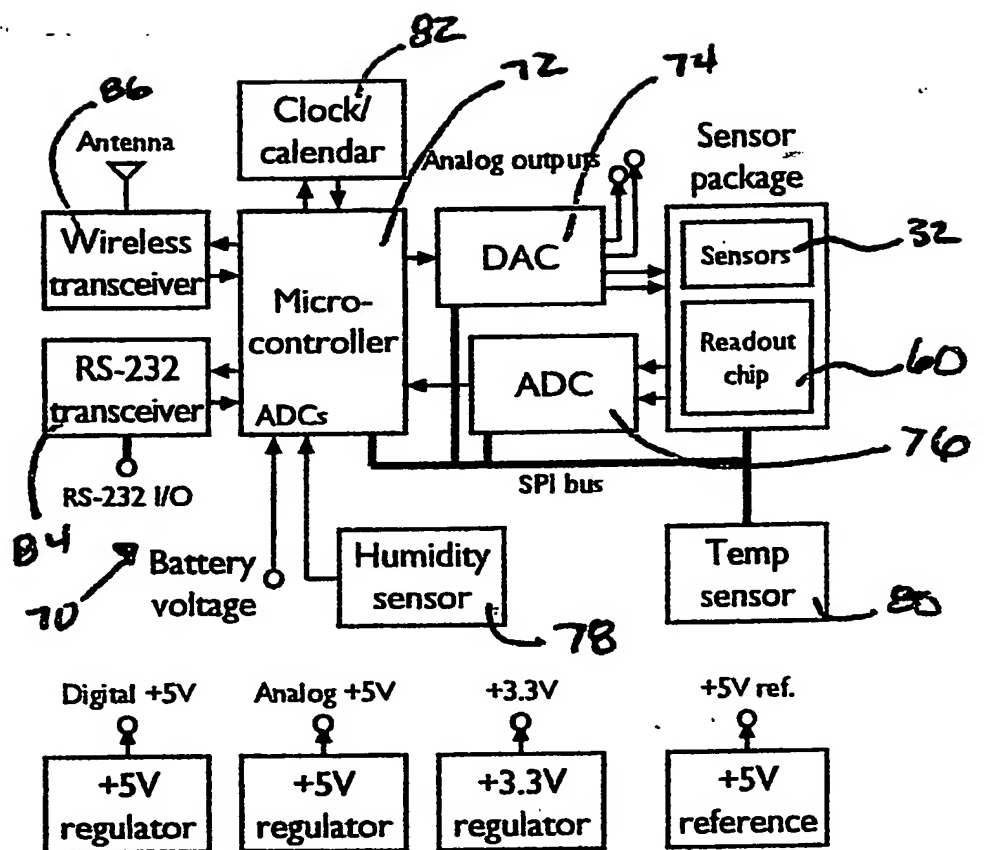


FIG 7

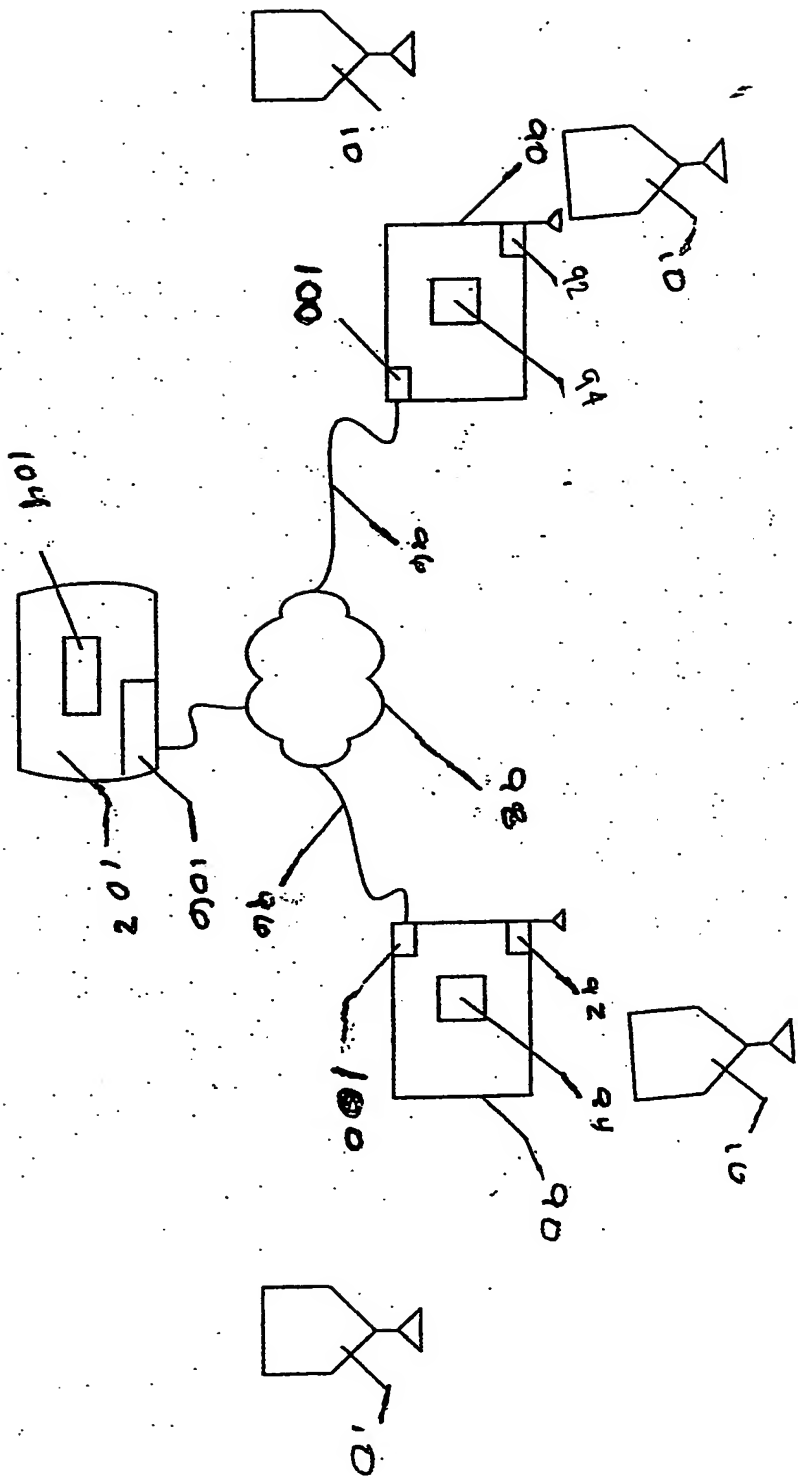


FIG. 8